



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Hurst Awning Co., Inc.
6865 N.W. 36th Avenue
Miami, FL 33147

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Super-Fold" Aluminum Accordion Shutter

APPROVAL DOCUMENT: Drawing No. 96-218, titled "Super-Fold Accordion Shutter", sheets 1 through 4 of 4, prepared by Knezevich & Associates, Inc., dated June 25, 1996, last revision #2 dated May 13, 2002, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

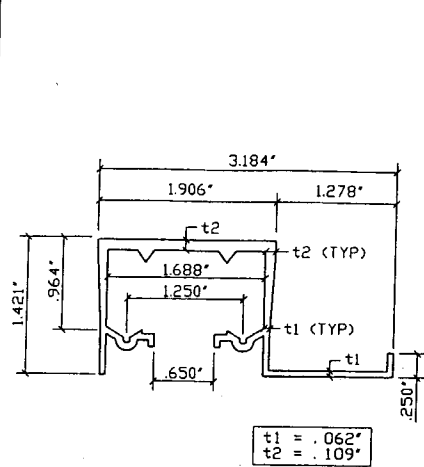
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

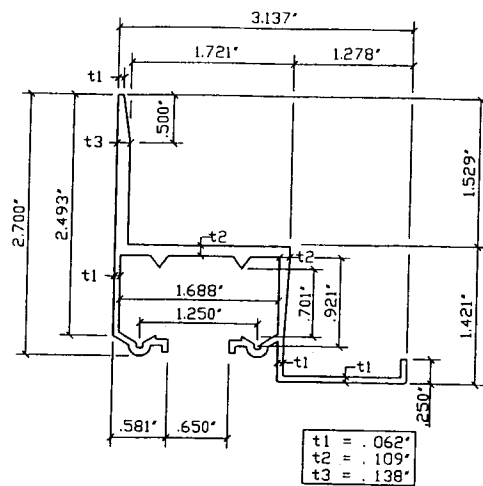
This NOA **renews** NOA # 02-0315.12 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



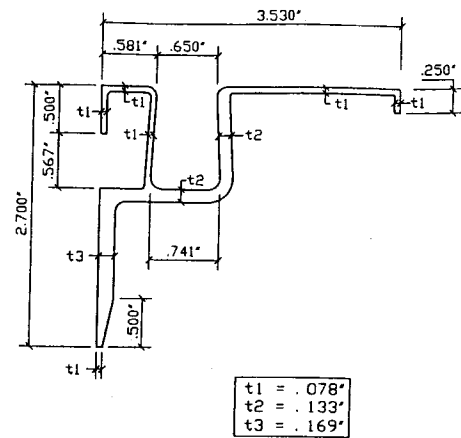
NOA No 02-0624.06
Expiration Date: 09/05/2007
Approval Date: 08/08/2002
Page 1



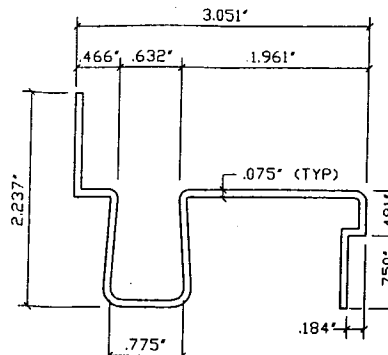
① **HEADER-CLG. MOUNTED**
SCALE: HALF SIZE



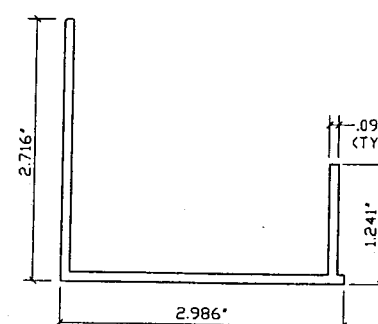
② **HEADER-WALL MOUNTED**
SCALE: HALF SIZE



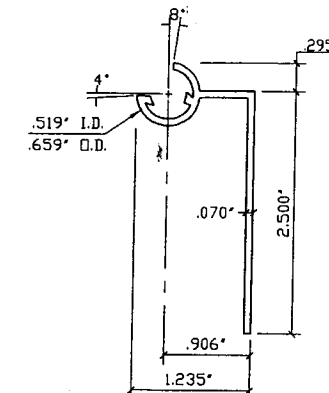
③ **SILL-WALL MOUNTED**
SCALE: HALF SIZE



④ **ADJ. SILL-TOP**
SCALE: HALF SIZE



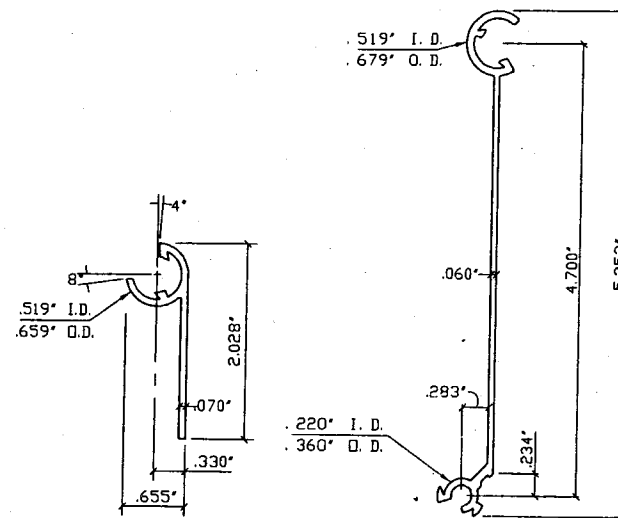
⑤ **ADJ. SILL-BOT.**
SCALE: HALF SIZE



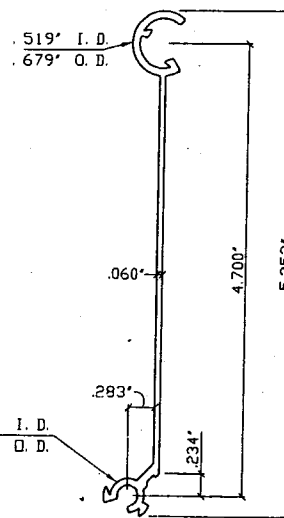
⑥ **90° END SLAT**
SCALE: HALF SIZE

GENERAL NOTES:

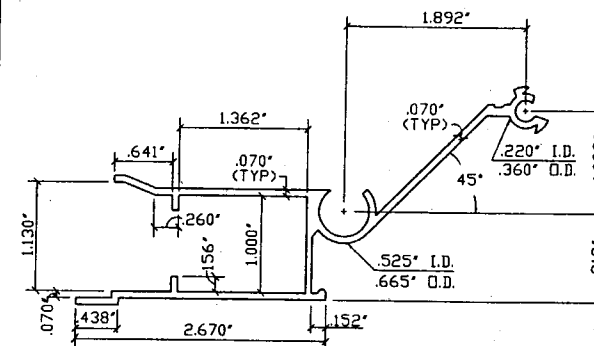
- THESE APPROVAL DOCUMENTS REPRESENT A SHUTTER SYSTEM ANALYZED WITH THE PROVISION SET FOR THE ISSUANCE OF A NOTICE OF ACCEPTANCE (NOA) BY MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE FLORIDA BUILDING CODE.
- TO VERIFY THAT THE ANCHORS AS TESTED, ARE NOT OVERSTRESSED IN THESE APPROVAL DOCUMENTS, A 33% INCREASE IN ALLOWABLE STRESS WAS USED IN THE FASTENER ANALYSIS.
- DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH ASCE 7-98, A DIRECTIONALITY FACTOR OF $K_d = 1.0$ SHALL BE USED.
- THESE APPROVAL DOCUMENTS ARE GENERIC AND DO NOT INCLUDE INFORMATION FOR SITE-SPECIFIC APPLICATION OF THIS SHUTTER SYSTEM.
- THESE APPROVAL DOCUMENTS COMPLY WITH CHAPTER 61G15-23 OF THE FLORIDA ADMINISTRATIVE CODE.
- THESE APPROVAL DOCUMENTS, ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THAT THE EXISTING STRUCTURE DOES NOT DEVIATE IN EITHER FORM OR MATERIAL FROM THE STRUCTURAL SUBSTRATES DETAILED HEREIN.
- ANY MODIFICATIONS OR ADDITIONS TO THESE APPROVAL DOCUMENTS WILL VOID THE APPROVAL DOCUMENTS.
- WHEN THE SITE CONDITIONS DEVIATE FROM THESE APPROVAL DOCUMENTS, THE BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
 - REQUIRE THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION. SAID DOCUMENTS SHALL BE SUBMITTED TO THE PRODUCT ENGINEER FOR REVIEW AS A CONDITION TO THE BUILDING OFFICIAL GRANTING HIS/HER APPROVAL.
 - REQUIRE THAT A ONE-TIME SITE SPECIFIC APPROVAL BE APPLIED FOR AND SECURED FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION
- WHEN THE SITE CONDITION DEVIATIONS OCCUR WITHIN THE HIGH VELOCITY HURRICANE ZONE AREAS ONLY OPTION "B" SHALL BE ACCEPTED BY THE BUILDING OFFICIAL.
- EACH SHUTTER ASSEMBLY SHALL BE PERMANENTLY LABELED AT THE BOTTOM END OF THE LOCKING SLAT AS FOLLOWS:
HURST AWNING CO., INC.
MIAMI, FL.
DADE COUNTY PROD. APPRD.
- ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, U.O.N
- ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 33 K.S.I., U.O.N. POP RIVETS SHALL BE 3/16" DIA. 5052 ALUMINUM ALLOY.
- ALL SHUTTERS SHALL HAVE A LOCKING MECHANISM AT CENTER OR SIDE CLOSURE.
- THE MAXIMUM SHUTTER BLADE LENGTH TESTED WAS 134'-1/2".
- CLOSURE STRIP FOR BUILD-OUT MOUNT SHALL BE AN ANGLE OF SUFFICIENT SIZE TO FULLY COVER BOTH OPEN SIDES OF STORM SHUTTER INSTALLATION. CLOSURE STRIP SHALL BE ATTACHED TO WALL WITH 1/4" FASTENER @ 24" O.C. (TYPE TO BE DETERMINED FROM ANCHOR SCHEDULE). PANEL NEED NOT BE ATTACHED TO CLOSURE STRIP.



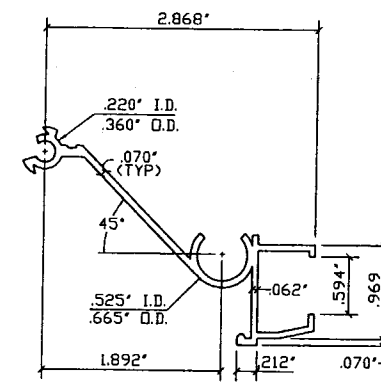
⑦ **FLAT END SLAT**
SCALE: HALF SIZE



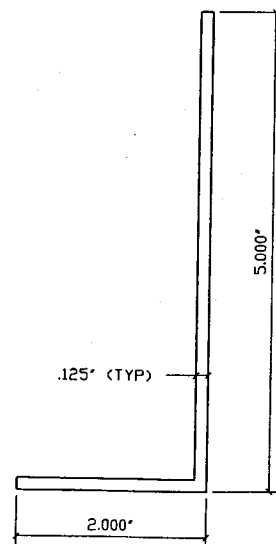
⑧ **TYP. SLAT**
SCALE: HALF SIZE



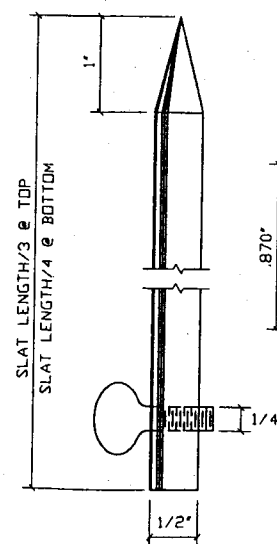
⑨ **FEMALE LOCK-SLAT**
SCALE: HALF SIZE



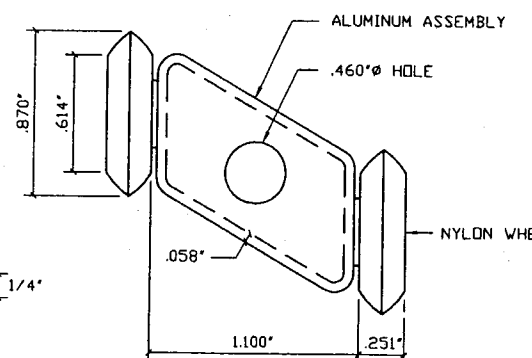
⑩ **MALE LOCK SLAT**
SCALE: HALF SIZE



⑪ **ANGLE**
SCALE: HALF SIZE



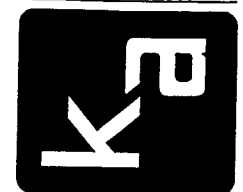
⑫ **LOCKING PIN**
SCALE: HALF SIZE



⑬ **ROLLER ASSEMBLY**
SCALE: FULL SIZE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0624.06
Expiration Date 09/05/2007
By *Helmut A. M...*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0315.02
Expiration Date 09/05/07
By *...*
Miami Dade Product Control
Division



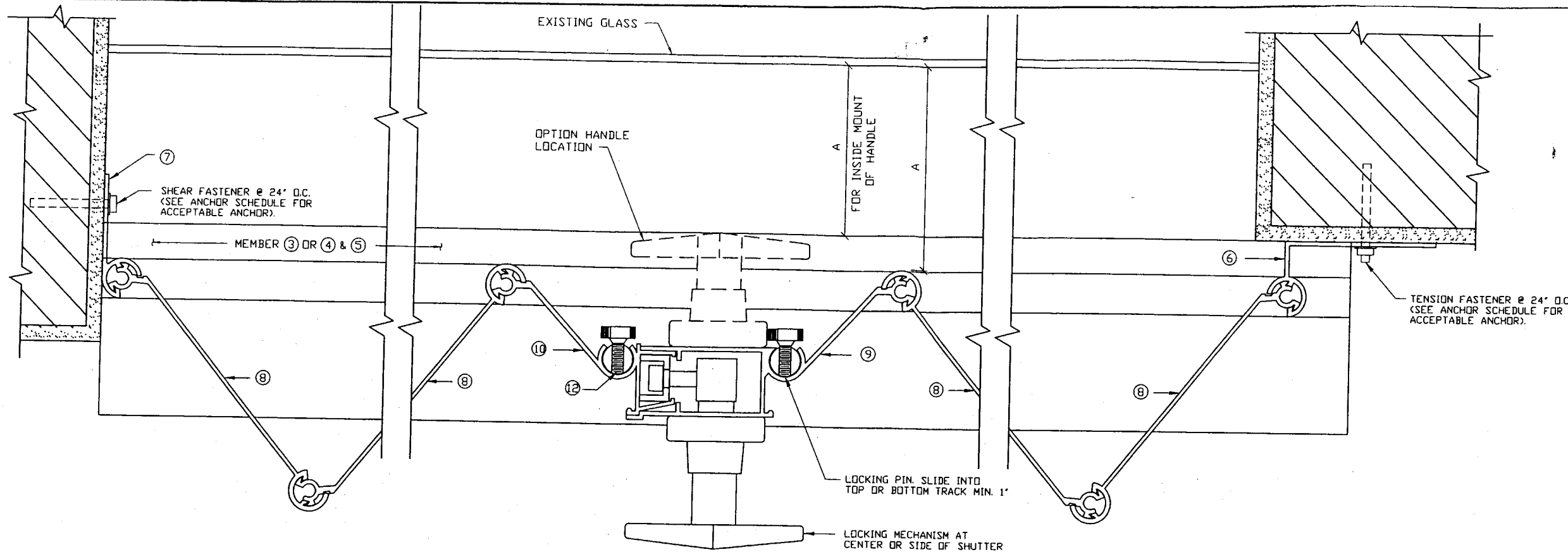
KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
COPYRIGHT © 2002 KNEZEVICH & ASSOCIATES, INC.

SUPER-FOLD ACCORDION SHUTTER
Manufacturers of Hurricane & Security Protection Products
6865 N.W. 36th Avenue
Miami, Florida 33147
Phone: (305) 635-0900
Toll Free: (800) 327-0905
Fax: (305) 634-9078
HURST
AWNING COMPANY, INC.
QUALITY SERVICE SINCE 1957

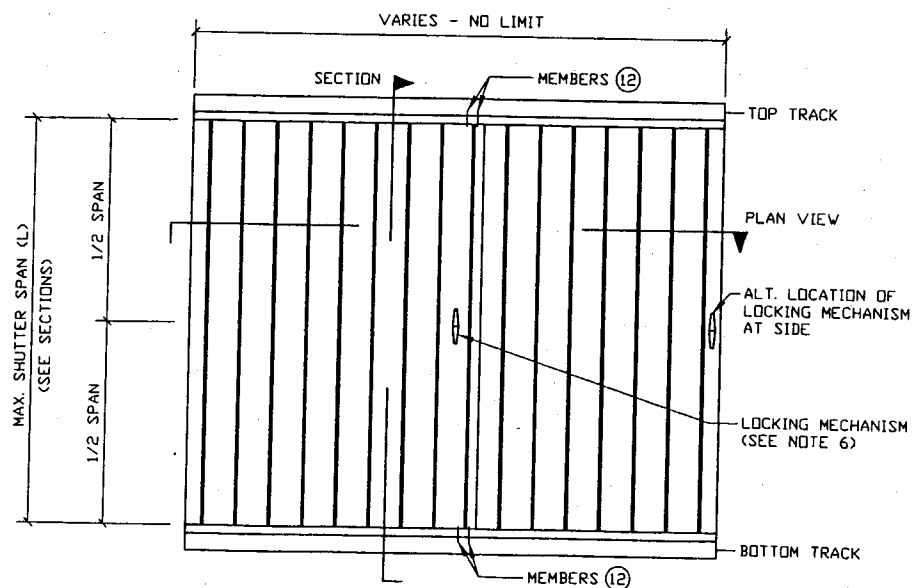
V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

MAY 14 2002

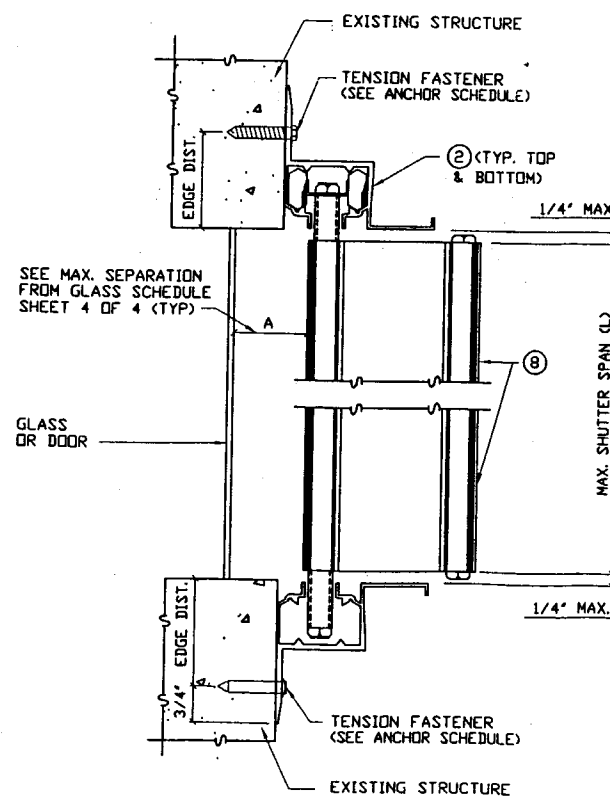
no.	date	description	revisions
1	06/25/96	RENEWAL OF 94-177	GENERAL NOTES
2	05/13/02	DLB	
date	06/25/1996		
scale	AS NOTED	drawn by	J.W. HILL
design by	VJK	checked by	VJK
drawing no.	96-218		
sheet	1 of 4		



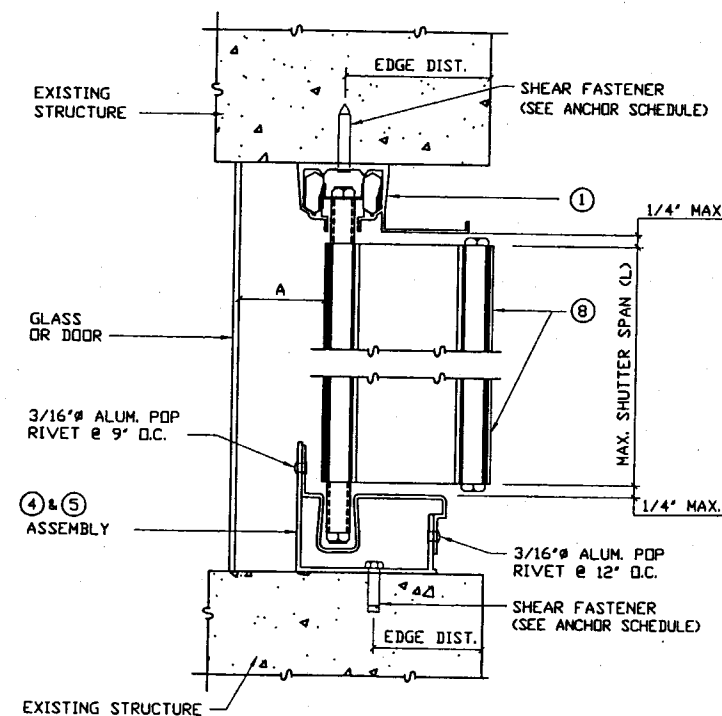
TYPICAL PLAN VIEW
SCALE: HALF SIZE



TYPICAL ELEVATION
N.T.S.



(A) WALL MOUNT SECTION
SCALE: 3" = 1'-0"



(B) CEILING/INSIDE MOUNT SECTION
SCALE: 3" = 1'-0"

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0624.06
Expiration Date 09/05/2007
By *Helmut A. Miller*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0315.12
Expiration Date 09/05/2007
By *Helmut A. Miller*
Miami Dade Product Control
Division

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
COPYRIGHT © 2002 KNEZEVICH & ASSOCIATES, INC.

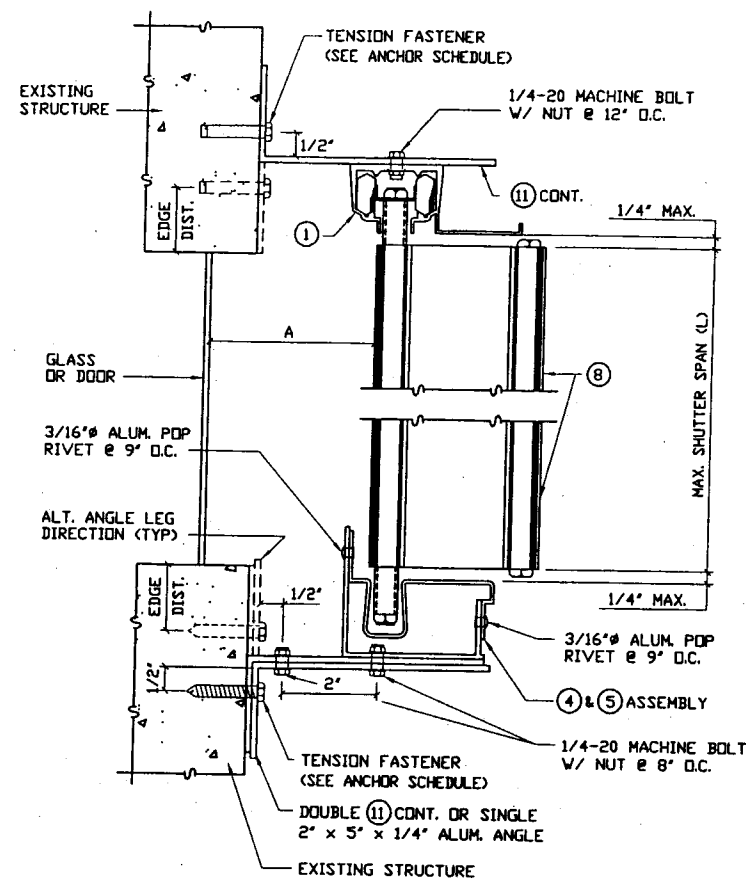
SUPER-FOLD ACCORDION SHUTTER
Manufacturers of Hurricane & Security Protection Products
6865 N.W. 36th Avenue
Miami, Florida 33147
Phone: (305) 633-0900
Toll Free: (800) 327-0905
Fax: (305) 634-9078
HURST
AWNING COMPANY, INC.
"QUALITY SERVICE SINCE 1957"

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

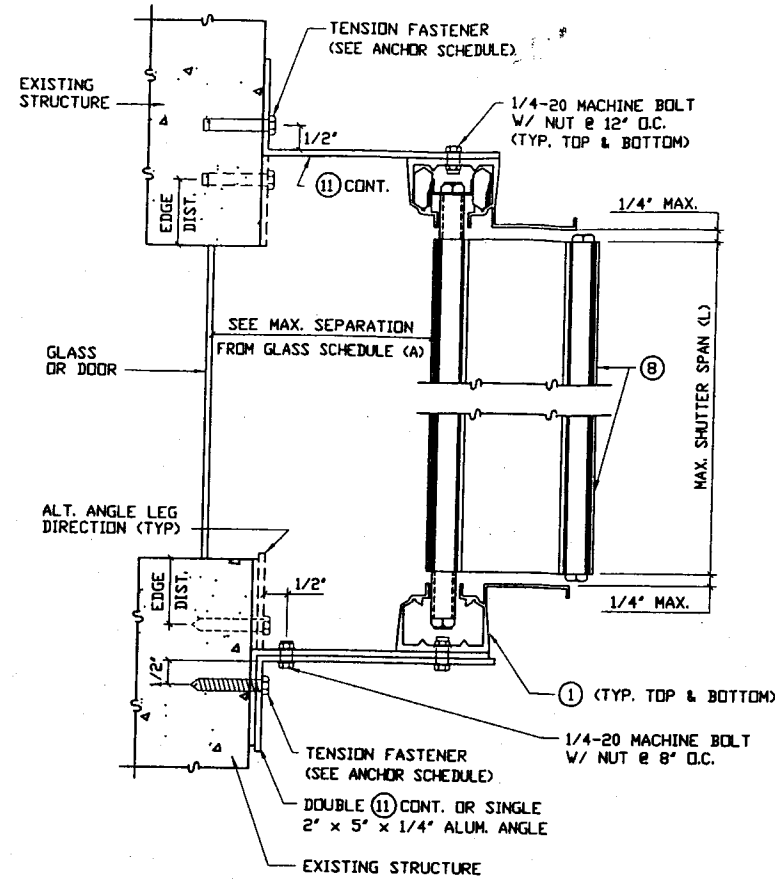
Helmut A. Miller
MAY 14 2002

no	date	by	description
1	06/25/96		RENEWAL OF 96-170
2	05/13/02	VJK	GENERAL NOTES

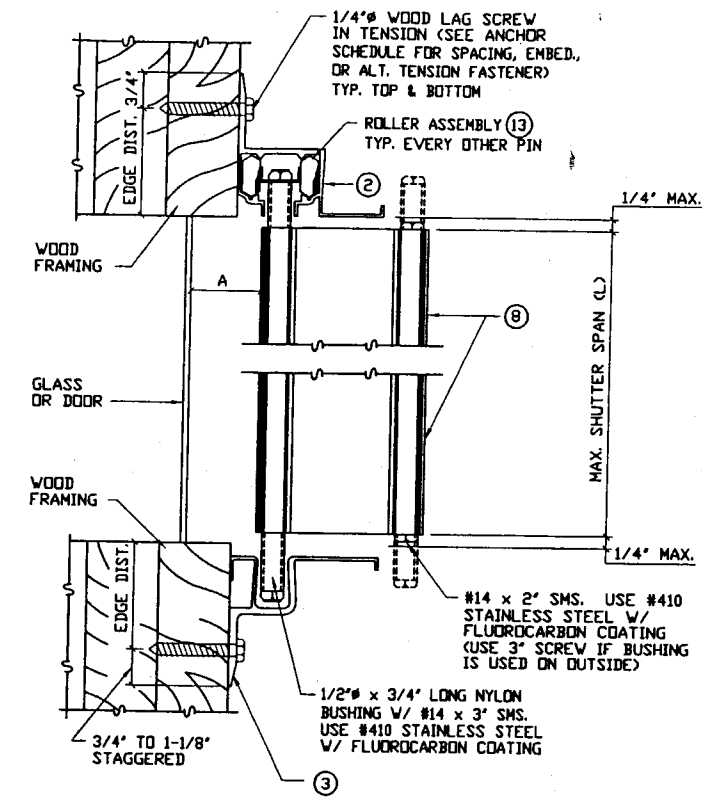
date	06/25/1996
scale	AS NOTED
drawn by	J.W. HILL
design by	VJK
checked by	VJK
drawing no.	96-218
sheet	2 of 4



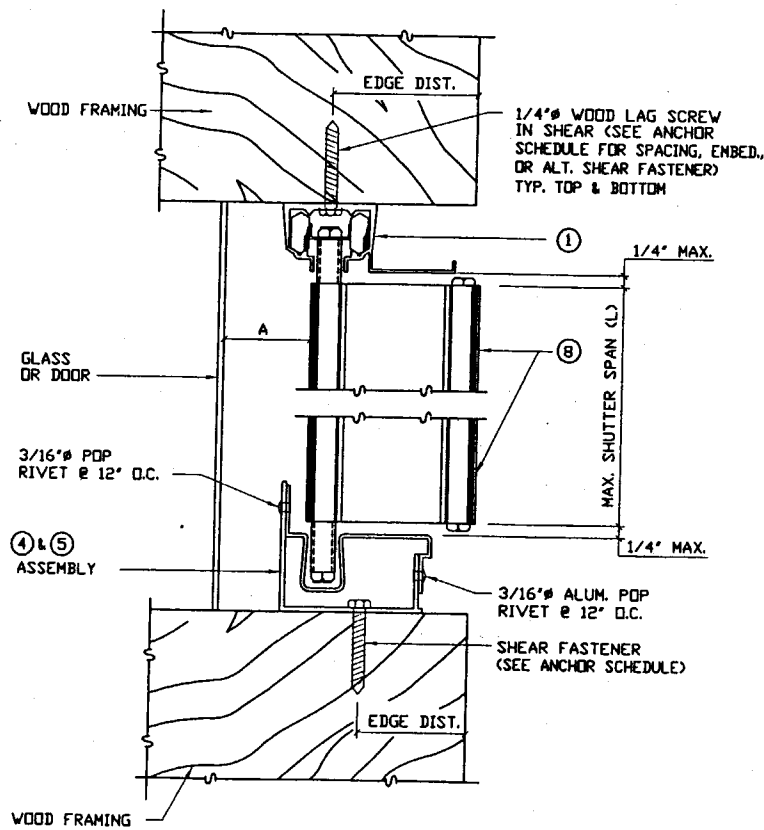
C BUILD-OUT MOUNT SECTION
SCALE: 3" = 1'-0"



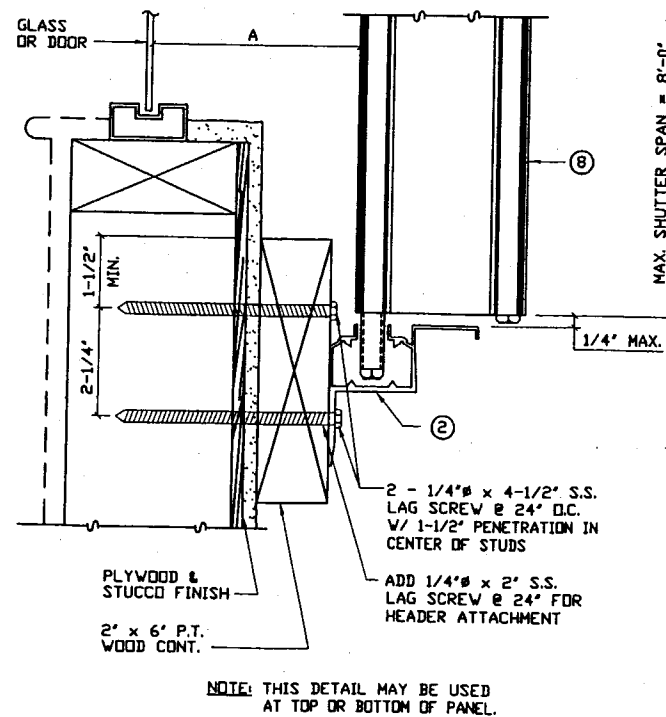
D BUILD-OUT MOUNT SECTION
SCALE: 3" = 1'-0"



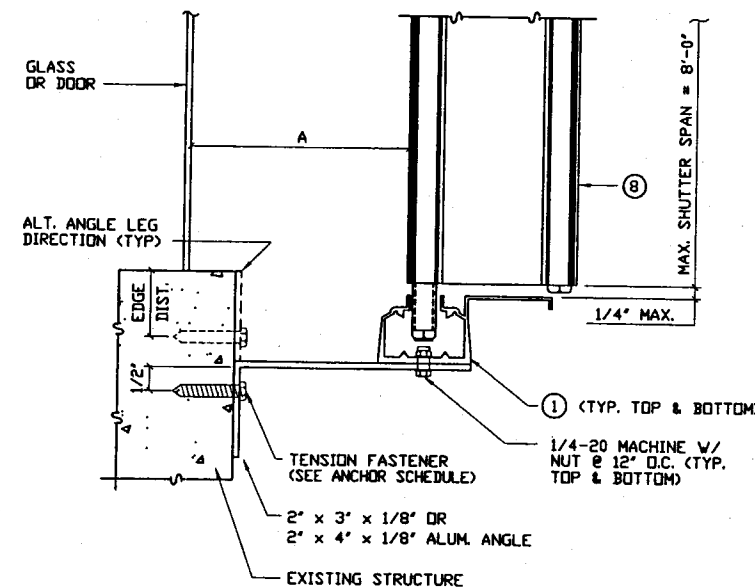
E WALL MOUNT SECTION
SCALE: 3" = 1'-0"



F CEILING/INSIDE MOUNT SECTION
SCALE: 3" = 1'-0"



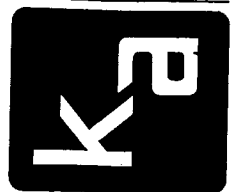
G ALT. WALL MOUNT SECTION
SCALE: 3" = 1'-0"



H ALT. BUILD-OUT MOUNT SECTION
SCALE: 3" = 1'-0"

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0624-06
Expiration Date 09/05/2007
By *Heather A. Miller*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0315-12
Expiration Date 09/05/02
By *Heather A. Miller*
Miami Dade Product Control
Division



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
COPYRIGHT © 2002 KNEZEVICH & ASSOCIATES, INC.

SUPER-FOLD ACCORDION SHUTTER
Manufacturers of Hurricane & Security Protection Products
6865 N.W. 36th Avenue
Miami, Florida 33147
Phone: (305) 635-0900
Toll Free: (800) 327-0905
Fax: (305) 634-9078
HURST
ANNOUNCING COMPANY, INC.
"QUALITY SERVICE SINCE 1957"

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

Heather A. Miller
MAY 14 2002

no.	date	description
1	06/25/96	RENEWAL OF 96-177
2	05/13/02	GENERAL NOTES

date 06/25/1996
scale AS NOTED
design by VJK
checked by VJK
drawing no. 96-218
sheet 3 of 4

MAXIMUM ALLOWABLE SPAN SCHEDULE	
NEGATIVE DESIGN LOAD (PSF)	MAXIMUM ALLOWABLE SPAN (L) (FT - IN)
50.0	11' - 0"
60.0	11' - 0"
70.0	11' - 0"
80.0	11' - 0"
90.0	11' - 0"
100.0	11' - 0"
110.0	11' - 0"
120.0	11' - 0"
130.0	11' - 0"
140.0	10' - 11"
150.0	10' - 2"
160.0	9' - 7"
170.0	9' - 0"
180.0	8' - 6"
190.0	8' - 0"
200.0	7' - 8"
210.0	7' - 3"
220.0	6' - 11"

MINIMUM SEPARATION FROM GLASS		
* FOR INSTALLATIONS WHERE A PORTION OF THE SHUTTER IS LESS THAN 30'-0" ABOVE GRADE, MIN. SEPARATION FROM GLASS SHALL BE 2'-3/4". FOR INSTALLATIONS GREATER THAN 30'-0" ABOVE GRADE USE SCHEDULE BELOW.		
POSITIVE DESIGN LOAD (PSF)	MAXIMUM ALLOWABLE SPAN (L) (FT - IN)	MINIMUM SEPARATION FROM GLASS (A) (IN)
30.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-1/8
	8'-0" < L ≤ 11'-0"	1-1/2
40.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-1/4
	8'-0" < L ≤ 11'-0"	1-5/8
50.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-1/4
	8'-0" < L ≤ 11'-0"	1-3/4
60.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-1/4
	8'-0" < L ≤ 11'-0"	1-7/8
70.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-3/8
	8'-0" < L ≤ 11'-0"	2
80.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-3/8
	8'-0" < L ≤ 11'-0"	2-1/8
90.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-3/8
	8'-0" < L ≤ 11'-0"	2-1/4
100.0	L ≤ 5'-0"	1-1/8
	5'-0" < L ≤ 8'-0"	1-1/2
	8'-0" < L ≤ 11'-0"	2-1/2

TENSION SHEAR		ANCHOR SCHEDULE - FASTENER SPACING REQUIRED FOR VARIOUS DESIGN LOADS (INCHES O.C.) W/ 3' EDGE DISTANCE											
EXISTING STRUCTURE		CONCRETE											
ANCHOR DESCRIPTION		1/4" RAWL CALK-IN W/ 7/8" MIN. EMBEDMENT			1/4" U.S. CONCRETE SCREW OR 1/4" ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT			1/4" U.S. SLEEVE ANCHOR W/ 1-1/8" MIN. EMBEDMENT			1/4" RAWL NAIL-IN W/ 1" MIN. EMBEDMENT		
LOAD (K) PSF	SPAN (L) FT.	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220
L ≤ 5'-0"	24'	24'	26'	12'	18'	13'	6'	20'	14'	7'	15'	11'	5'
		24'	20'	9'	24'	18'	9'	24'	17'	8'	24'	17'	8'
5'-0" ≤ L < 8'-0"	23'	18'	16'	8'	11'	8'	-	13'	9'	4'	9'	6'	-
		18'	12'	6'	16'	11'	5'	15'	10'	5'	15'	10'	4'
8'-0" ≤ L < 11'-0"	17'	13'	12'	5'	8'	5'	-	9'	6'	-	7'	5'	-
		13'	9'	4'	11'	8'	4'	10'	7'	-	10'	7'	-

TENSION SHEAR		ANCHOR SCHEDULE - FASTENER SPACING REQUIRED FOR VARIOUS DESIGN LOADS (INCHES O.C.) W/ 3' EDGE DISTANCE												TENSION SHEAR	
EXISTING STRUCTURE		HOLLOW BLOCK												WOOD FRAMING	
ANCHOR DESCRIPTION		1/4" RAWL CALK-IN W/ 7/8" MIN. EMBEDMENT			1/4" U.S. CONCRETE SCREW OR 1/4" ITW TAPCON W/ 1-1/4" MIN. EMBEDMENT			1/4" U.S. SLEEVE ANCHOR W/ 1-1/8" MIN. EMBEDMENT			1/4" RAWL NAIL-IN W/ 1" MIN. EMBEDMENT			ONE 1/4" WOOD LAG SCREW W/ 1-1/2" MIN. EMBEDMENT	
LOAD (K) PSF	SPAN (L) FT.	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105	105 < W ≤ 220	W ≤ 75	75 < W ≤ 105
L ≤ 5'-0"	14'	14'	10'	4'	9'	7'	-	19'	13'	6'	9'	6'	-	24'	23'
		21'	15'	7'	16'	12'	5'	24'	17'	7'	21'	15'	7'	18'	13'
5'-0" ≤ L < 8'-0"	16'	12'	6'	-	6'	4'	-	12'	8'	4'	5'	4'	-	20'	14'
		12'	9'	4'	10'	7'	-	15'	10'	5'	13'	9'	4'	11'	8'
8'-0" ≤ L < 11'-0"	6'	9'	7'	-	4'	-	-	8'	6'	-	4'	9'	-	15'	6'
		9'	7'	-	7'	5'	-	10'	7'	-	9'	6'	-	8'	5'

ANCHOR NOTES:

1. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO.
2. WHERE LAG SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF WOOD STUD.
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0624-06
Expiration Date 09/05/2007
By *Helmut A. Miller*
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-0315-12
Expiration Date 09/03/02
By *[Signature]*
Miami Dade Product Control
Division



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2889 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM
COPYRIGHT © 2002 KNEZEVICH & ASSOCIATES, INC.

SUPER-FOLD ACCORDION SHUTTER
Manufacturers of Hurricane & Security Protection Products
6865 N.W. 36th Avenue
Miami, Florida 33147
Phone: (305) 635-0900
Toll Free: (800) 327-0905
Fax: (305) 634-9078
HURST
ANNOUNCING COMPANY, INC. 1957
"QUALITY SERVICE SINCE 1957"

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

[Signature]
MAY 14 2002

revisions		date		scale		drawing no.	
no	description	date	by	scale	AS NOTED	96-218	sheet 4 of 4
1	RENEWAL OF 94-17	06/25/96	J.W. HILL				
2	GENERAL NOTES	05/13/02	V.J.K.				